

09736667_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 09736667 on August 11, 2004

Original Classifications

6	704/219
5	704/233
4	704/226
3	704/211
2	704/200.1
2	704/201
2	704/207
2	704/220
2	704/222
2	704/227
2	704/232

Cross-Reference Classifications

13	704/219
8	704/226
6	704/227
4	704/223
4	704/228
4	704/230
4	704/262
3	704/203
3	704/207
3	704/264
2	375/254
2	704/208
2	704/211
2	704/220
2	704/221

Combined Classifications

19	704/219
12	704/226
8	704/227
6	704/233
5	704/207
5	704/211
5	704/223
4	704/220
4	704/228
4	704/230
4	704/262
3	704/203
3	704/222

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3 704/264
2 370/252
2 375/254
2 381/94.7
2 704/200.1
2 704/201
2 704/202
2 704/205
2 704/208
2 704/221
2 704/229
2 704/232
2 704/258

09736667_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09736667 on August 11, 2004

- 19 704/219 (6 OR, 13 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/219 ..Linear prediction
- 12 704/226 (4 OR, 8 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/226 ..Noise
- 8 704/227 (2 OR, 6 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/226 ..Noise
 704/227 ...Pretransmission
- 6 704/233 (5 OR, 1 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/231 .Recognition
 704/233 ..Detect speech in noise
- 5 704/207 (2 OR, 3 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING

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704/201      .For storage or transmission
704/205      ..Frequency
704/206      ...Specialized information
704/207      ....Pitch

5  704/211      (3 OR, 2 XR)
    Class 704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                  LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                  COMPRESSION/DECOMPRESSION
704/200      SPEECH SIGNAL PROCESSING
704/201      .For storage or transmission
704/211      ..Time

5  704/223      (1 OR, 4 XR)
    Class 704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                  LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                  COMPRESSION/DECOMPRESSION
704/200      SPEECH SIGNAL PROCESSING
704/201      .For storage or transmission
704/221      ..Pattern matching vocoders
704/223      ...Excitation patterns

4  704/220      (2 OR, 2 XR)
    Class 704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                  LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                  COMPRESSION/DECOMPRESSION
704/200      SPEECH SIGNAL PROCESSING
704/201      .For storage or transmission
704/220      ..Analysis by synthesis

4  704/228      (0 OR, 4 XR)
    Class 704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                  LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                  COMPRESSION/DECOMPRESSION
704/200      SPEECH SIGNAL PROCESSING
704/201      .For storage or transmission
704/226      ..Noise
704/228      ...Post-transmission

4  704/230      (0 OR, 4 XR)
    Class 704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                  LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                  COMPRESSION/DECOMPRESSION

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 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/230 ..Quantization

4 704/262 (0 OR, 4 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/258 .Synthesis
 704/262 ..Linear prediction

3 704/203 (0 OR, 3 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/203 ..Transformation

3 704/222 (2 OR, 1 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/221 ..Pattern matching vocoders
 704/222 ...Vector quantization

3 704/264 (0 OR, 3 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/258 .Synthesis
 704/264 ..Excitation

2 370/252 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION

370/252 .Determination of communication parameters

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- 2 375/254 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/242 PULSE CODE MODULATION
 375/254 .Noise or distortion reduction
- 2 381/94.7 (1 OR, 1 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/94.1 NOISE OR DISTORTION SUPPRESSION
 381/94.7 .Using signal channel and noise channel
- 2 704/200.1 (2 OR, 0 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/200.1 .Psychoacoustic
- 2 704/201 (2 OR, 0 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
- 2 704/202 (1 OR, 1 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/202 ..Neural network
- 2 704/205 (1 OR, 1 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 .For storage or transmission
 704/205 ..Frequency
- 2 704/208 (0 OR, 2 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                COMPRESSION/DECOMPRESSION
704/200        SPEECH SIGNAL PROCESSING
704/201        .For storage or transmission
704/205        ..Frequency
704/206        ...Specialized information
704/207        ....Pitch
704/208        .....Voiced or unvoiced

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2  704/221      (0 OR, 2 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                COMPRESSION/DECOMPRESSION
704/200        SPEECH SIGNAL PROCESSING
704/201        .For storage or transmission
704/221        ..Pattern matching vocoders

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2  704/229      (1 OR, 1 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                COMPRESSION/DECOMPRESSION
704/200        SPEECH SIGNAL PROCESSING
704/201        .For storage or transmission
704/229        ..Adaptive bit allocation

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2  704/232      (2 OR, 0 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                COMPRESSION/DECOMPRESSION
704/200        SPEECH SIGNAL PROCESSING
704/231        .Recognition
704/232        ..Neural network

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2  704/258      (1 OR, 1 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                COMPRESSION/DECOMPRESSION
704/200        SPEECH SIGNAL PROCESSING
704/258        .Synthesis

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Search Results - Record(s) 1 through 9 of 9 returned.

L6: Entry 1 of 9

File: USPT

Aug 24, 2004

US-PAT-NO: 6782360

DOCUMENT-IDENTIFIER: US 6782360 B1

TITLE: Gain quantization for a CELP speech coder

DATE-ISSUED: August 24, 2004

US-CL-CURRENT: 704/222; 704/219INT-CL: [07] G10 L 19/04

L6: Entry 2 of 9

File: USPT

Jan 30, 2001

US-PAT-NO: 6182030

DOCUMENT-IDENTIFIER: US 6182030 B1

TITLE: Enhanced coding to improve coded communication signals

DATE-ISSUED: January 30, 2001

US-CL-CURRENT: 704/201; 340/318, 704/219, 704/230, D14/358, D14/496INT-CL: [07] G10 L 21/02, G08 B 23/00

L6: Entry 3 of 9

File: USPT

Oct 12, 1999

US-PAT-NO: 5966689

DOCUMENT-IDENTIFIER: US 5966689 A

TITLE: Adaptive filter and filtering method for low bit rate coding

DATE-ISSUED: October 12, 1999

US-CL-CURRENT: 704/226; 704/219, 704/227INT-CL: [06] G10 L 3/02, H04 B 1/66

L6: Entry 4 of 9

File: USPT

Oct 5, 1999

US-PAT-NO: 5963899

DOCUMENT-IDENTIFIER: US 5963899 A

**** See image for Certificate of Correction ****

TITLE: Method and system for region based filtering of speech

DATE-ISSUED: October 5, 1999

US-CL-CURRENT: 704/226; 704/233

INT-CL: [06] G10 L 3/02

L6: Entry 5 of 9

File: USPT

Jul 6, 1999

US-PAT-NO: 5920834

DOCUMENT-IDENTIFIER: US 5920834 A

TITLE: Echo canceller with talk state determination to control speech processor functional elements in a digital telephone system

DATE-ISSUED: July 6, 1999

US-CL-CURRENT: 704/233; 379/406.06, 704/221, 704/226

INT-CL: [06] H04 B 3/23, G10 L 3/02

L6: Entry 6 of 9

File: USPT

Sep 8, 1998

US-PAT-NO: 5806025

DOCUMENT-IDENTIFIER: US 5806025 A

TITLE: Method and system for adaptive filtering of speech signals using signal-to-noise ratio to choose subband filter bank

DATE-ISSUED: September 8, 1998

US-CL-CURRENT: 704/226; 381/94.3, 704/210

INT-CL: [06] G10 L 3/02

L6: Entry 7 of 9

File: USPT

Apr 21, 1998

US-PAT-NO: 5742694

DOCUMENT-IDENTIFIER: US 5742694 A

TITLE: Noise reduction filter

DATE-ISSUED: April 21, 1998

US-CL-CURRENT: 381/94.2

INT-CL: [06] H04 B 15/00

L6: Entry 8 of 9

File: USPT

Jan 6, 1998

US-PAT-NO: 5706395

DOCUMENT-IDENTIFIER: US 5706395 A

TITLE: Adaptive weiner filtering using a dynamic suppression factor

DATE-ISSUED: January 6, 1998

US-CL-CURRENT: 704/226; 704/227, 704/228

INT-CL: [06] G10 L 3/02

L6: Entry 9 of 9

File: USPT

Dec 31, 1996

US-PAT-NO: 5590241

DOCUMENT-IDENTIFIER: US 5590241 A

TITLE: Speech processing system and method for enhancing a speech signal in a noisy environment

DATE-ISSUED: December 31, 1996

US-CL-CURRENT: 704/227; 381/94.7, 704/203, 704/226, 704/228, 704/272

INT-CL: [06] G10 L 3/02, G10 L 9/00

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